

FORM PTO-1449

Docket Number (Optional):  
89188.0046Application Number:  
10/614,072

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

AUG 26 2003

Use several sheets if necessary)

Applicant:  
Steven D. GOODMAN, et al.Filing Date:  
July 2, 2003Group Art Unit:  
N/A**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | NAME                | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|-----------------|------|---------------------|-------|----------|-------------------------------|
| [Signature]         | 4,692,407       |      | Jordan et al.       |       |          |                               |
|                     | 4,725,576       |      | Pollock et al.      |       |          |                               |
|                     | 5,013,542       |      | Hay, et al.         |       |          |                               |
|                     | 5,374,538       |      | Bratthall           |       |          |                               |
|                     | 5,486,503       |      | Oppenheim, et al.   |       |          |                               |
|                     | 5,631,228       |      | Oppenheim, et al.   |       |          |                               |
|                     | 5,646,119       |      | Oppenheim, et al.   |       |          |                               |
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|                     | 5,912,230       |      | Oppenheim, et al.   |       |          |                               |
|                     | 6,136,298       |      | Gaffar, et al.      |       |          |                               |
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| [Signature]         | 2002/0081302    |      | Cvitkovitch, et al. |       |          |                               |

**FOREIGN PATENT DOCUMENTS**

|  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
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|  |                 |      |         |       |          |             |    |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**Ellen, R.P., Microbiological Assays for Dental Caries and Periodontal Disease Susceptibility," *Oral Sci. Rev.* 8:3-23 (1976)Fukushima, K., Okada, T., Ochiai, K. "Production Characterization and Application of Monoclonal Antibodies which Distinguish Three Glucosyltransferases from *Streptococcus Mutans*," *Infection and Immunity* 61:323-328 (1993)Goodman, S.D. and Gao Q., "Firefly Luciferase as a Reporter to Study Gene Expression in *Streptococcus Mutans*," *Plasmid* 42:154-157 (1999)

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11/08/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Goodman, S.D. and Gao, Q. "Characterization of the *gtfB* and *gtfC* promoters from *Streptococcus Mutans* GS-5," *Plasmid* 43:85-98 (2000)Goodman, et al. "In Vitro Selection of Integration Host Factor Binding Sites," *J. of Bact.* 181-2346-3255 (1999)Hanada, N., Kuramitsu, H.K., "Isolation and Characterization of the *Streptococcus Mutans gtfD* Gene Coding for Primer-Dependent Soluble Glucan Synthesis," *Infection and Immunity*, 57:2079-2085 (1989)Hume, W.R., "Need for Change in Standards of Caries Diagnosis-Perspective Based on the Structure and Behavior of the Carious Lesion," *J. Dent. Educ.* 57:439-443 (1993)Igarashi et al., "Direct Detection of *Streptococcus Mutans* in Human Dental Plaque by Polymerase Chain Reaction," *Oral Microbiol and Immunol.* 11:294-298 (1996)Lee, M.S. and Morrison, D.A., "Identification of a New Regulator in *Streptococcus Pneumociae* Linking Quorum Sensing to Competence for Genetic Transformation," *J. of Bact.* 181:5004-5016 (1999)Lenander-Lumikari et al., "Saliva and Dental Caries," *Adv. Dent. Res.* 14:40-47 (Dec. 2000)Li, Y-H et al., "Natural Genetic Transformation of *Streptococcus Mutans* Growing in Biofilms," *J. of Bac.* 183:897-908 (2001)Tanzer, J.M., "Understanding Dental Caries; an Infectious Disease, not a Lesion," *Inter. J. Oral Biol.* 22:205-214 (1997)

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